IN THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Please amend the claims as follows:

1. (Original) A method, comprising:

a) sending ATM source identification and an ATM-TDM correlation tag from an ATM source gateway to a telephony signaling control network;

b) receiving at an ATM destination gateway said ATM source identification and said ATM-TDM correlation tag sent from said telephony signaling control network; and

c) sending said ATM-TDM correlation tag from said ATM destination gateway to said ATM source gateway to establish a connection between said ATM destination gateway and said ATM source gateway.

2. (Original) The method of claim 1 further comprising sending notification of a call from said telephony signaling control network to said ATM source gateway before said ATM source identification and said ATM-TDM correlation tag are sent to said telephony signaling control network.

3. (Original) The method of claim 2 wherein said ATM source gateway generates said ATM-TDM correlation tag in response to said notification.

4. (Original) The method of claim 3 wherein said ATM-TDM correlation tag is a random number.

5. (Original) The method of claim 2 wherein said notification identifies which trunk line said call will be carried over, said trunk line coupling said ATM source gateway to a first telephony network.

6. (Original) The method of claim 2 wherein said notification further identifies which TDM time slot said call will be carried over, said TDM time slot on an trunk line that couples said ATM source gateway to a first telephony network.

7. (Original) The method of claim 6 further comprising, after receiving said ATM-TDM correlation tag at said ATM source gateway, reflecting within a mapping table of said ATM source gateway that a VPI/VCI address received in a SETUP message with said ATM-TDM correlation tag corresponds to said particular TDM time slot.

8. (Original) The method of claim 1 wherein said sending said ATM-TDM correlation tag further comprises sending a SETUP message within an ATM network in a direction from said ATM destination gateway to said ATM source gateway.

9. (Original) The method of claim 8 further comprising sending a CONNECT message within said ATM network in a second direction from said ATM source gateway to said ATM destination gateway after said SETUP message has been received at said ATM source gateway.

10. (Original) The method of claim 1 wherein said sending said ATM-TDM correlation tag further comprises sending a ERQ message within an ATM network in a direction from said ATM destination gateway to said ATM source gateway.

11. (Original) The method of claim 10 further comprising sending a ECF message within said ATM network in a second direction from said ATM source gateway to said ATM destination gateway after said ERQ message has been received at said ATM source gateway.

12. (Original) The method of claim 1 further comprising sending, from said telephony signaling control network to said ATM destination gateway, which TDM time slot within a trunk line said call will be carried over, said trunk line coupling said ATM destination gateway to a telephony network.

13. (Original) The method of claim 12 further comprising updating a mapping table within said ATM destination gateway to reflect that a cell with a particular VPI/VCI corresponds to information carried over said TDM time slot.

14. (Original) The method of claim 1 further comprising sending, from said telephony signaling control network to said ATM destination gateway, which TDM time slot said call will be carried over.

15. (Original) The method of claim 12 further comprising updating a mapping table within said ATM destination gateway to reflect that a cell with a particular VPI/VCI corresponds to information carried over said TDM time slot.

16. (currently amended) A method, comprising:

a) sending an ATM-TDM correlation tag from an ATM source gateway, through a telephony signaling control network to an ATM destination gateway; and

b) sending said ATM-TDM correlation tag from said ATM destination gateway toward said ATM source gateway with a SETUP message.

17. (Original) The method of claim 16 wherein said ATM-TDM correlation tag is within a Called Party Sub Address Information Element (IE) of said SETUP message.

18. (Original) The method of claim 16 wherein said ATM-TDM correlation tag is within a Generic Identifier Transport (GIT) IE of said SETUP message.

19. (Original) The method of claim 16 wherein said ATM-TDM correlation tag is within a Generic Application Transport (GAT) IE of said SETUP message.

20. (Original) The method of claim 16 wherein said ATM-TDM correlation tag is within a User to User IE of said SETUP message.

21. (Original) The method of claim 16 wherein said ATM-TDM correlation tag is within a Network Call Correlation Identifier (NCCI) IE of said SETUP message.

22. (Original) The method of claim 16 wherein said ATM-TDM correlation tag is within a Calling Party Sub Address IE of said SETUP message.

23. (Original) The method of claim 16 wherein said ATM-TDM correlation tag is within a Served User Generated Reference (SUGR) IE of said SETUP message.

24. (new) A machine readable medium having instructions which when executed by a processing core within an ATM gateway cause a method to be performed, said method comprising:

a) in response to recognizing that a call from a telephony network desires to be connected through an ATM network from said ATM gateway,

sending identification of said ATM gateway and a correlation tag to a telephony signaling control network; and,

b) in response to a message having said correlation tag having been received from another node in said ATM network, using said correlation tag to correlate said call with a switched virtual circuit within said ATM network that said message was sent to establish so that said call's traffic will be carried by said virtual circuit.

25. (new) The machine readable medium of claim 24 wherein said message is an ATM SETUP message.

26. (new) The machine readable medium of claim 25 wherein said correlation tag is within a Called Party Sub Address Information Element (IE) of said SETUP message.

27. (new) The machine readable medium of claim 25 wherein said correlation tag is within a Generic Identifier Transport (GIT) IE of said SETUP message.

28. (new) The machine readable medium of claim 25 wherein said correlation tag is within a Generic Application Transport (GAT) IE of said SETUP message.

29. (new) The machine readable medium of claim 25 wherein said correlation tag is within a User to User IE of said SETUP message.

30. (new) The machine readable medium of claim 25 wherein said correlation tag is within a Network Call Correlation Identifier (NCCI) IE of said SETUP message.

31. (new) The machine readable medium of claim 25 wherein said correlation tag is within a Calling Party Sub Address IE of said SETUP message.

32. (new) The machine readable medium of claim 25 wherein said correlation tag is within a Served User Generated Reference (SUGR) IE of said SETUP message.

33. (new) The machine readable medium of claim 25 wherein said method further comprises sending a CONNECT message to said another node to establish said switched virtual circuit.

34. (new) An ATM gateway, comprising:

a) means for, in response to recognizing that a call from a telephony network desires to be connected through an ATM network from said ATM gateway, sending identification of said ATM gateway and a correlation tag to a telephony signaling control network; and,

b) means for, in response to a message having said correlation tag having been received from another node in said ATM network, using said correlation tag to correlate said call with a virtual circuit within said ATM network that said message was sent to establish so that said call's traffic will be carried by said virtual circuit.

35. (new) The ATM gateway of claim 34 wherein said message is an ATM SETUP message.

36. (new) The ATM gateway of claim 35 wherein said correlation tag is within a Called Party Sub Address Information Element (IE) of said SETUP message.

37. (new) The ATM gateway of claim 35 wherein said correlation tag is within a Generic Identifier Transport (GIT) IE of said SETUP message.

38. (new) The ATM gateway of claim 35 wherein said correlation tag is within a Generic Application Transport (GAT) IE of said SETUP message.

39. (new) The ATM gateway of claim 35 wherein said correlation tag is within a User to User IE of said SETUP message.

40. (new) The ATM gateway of claim 35 wherein said correlation tag is within a Network Call Correlation Identifier (NCCI) IE of said SETUP message.

41. (new) The ATM gateway of claim 35 wherein said correlation tag is within a Calling Party Sub Address IE of said SETUP message.

42. (new) The ATM gateway of claim 35 wherein said correlation tag is within a Served User Generated Reference (SUGR) IE of said SETUP message.